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(54) **PRODUCTION OF HARD KERATINOUS
SUBSTANCE POWDER**

(57) Abstract:

PURPOSE: To produce a powder in a high yield through relatively simple short- time treatments without causing thermal denaturation of keratin protein by specifically treating a hard keratinous substance and then grinding it.

CONSTITUTION: A hard keratinous substance (e.g. wool fiber) is chemically treated with an oxidizing or reducing agent (e.g. sodium sulfite), swelled (e.g. by heating in an aq. NaOH soln.), dried, and mechanically ground.

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